



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS830LEDHTHOWT3022ACW-120-277_P.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] Photopia 2018.1.0 see: www.ltioptics.com/ies

[ISSUEDATE]

[TESTDATE] Wed Aug 22 12:47:05 2018

[TEST] 1

[MANUFAC] BEGHELLI

[LUMCAT]

[LUMINAIRE] BS830LEDHTHOWT3022ACW-120-277[_P

[LAMP] LED 0.195W White 5630 package (65mA)

[LAMPCAT] SPMWHT541MD-3900K

[OTHER]

IESNA:LM-63-2002[TEST] 6,552[TESTLAB] CSA Group

[ISSUEDATE] 7/24/2013 1:09:24 PM

[MANUFAC] Beghelli

[LUMINAIRE] BS100LEDDL4HT50WWT41120-277V[_P

[OTHER] Luminous shape: Rectangle

[OTHER] Luminous dimensions (feet)

[OTHER] 0 - 180 Axis: 4.2

[OTHER] 90 - 270 Axis: 0.6

[OTHER] Height: 0.1

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	17390
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	112
Total Luminaire Watts	155
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.10
Spacing Criterion (90-270)	1.10
Spacing Criterion (Diagonal)	1.24
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.88 ft
Luminous Width (90-270)	1.88 ft
Luminous Height	1.59 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9935	8349	9935
55	5035	4105	5035
65	2908	2295	2908
75	2751	2092	2751
85	1813	1318	1813

CANDELA TABULATION

	<u>0</u>
0	8043.657
5	7920.858
10	7743.188
15	7435.179
20	6977.604
25	6423.349
30	5829.605
35	5286.824
40	4816.252
45	4242.301
50	3241.059
55	2086.495
60	1224.922
65	1131.679
70	1114.916
75	968.531
80	761.074
85	551.881
90	372.847
95	230.838
100	131.234
105	72.014
110	40.313
115	24.817
120	16.878
125	12.448
130	9.294
135	7.301
140	6.113
145	5.254
150	4.731
155	4.563
160	5.334
165	5.839
170	6.158
175	5.821
180	11.952

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2839.39	N.A.	16.30
0-30	5795.52	N.A.	33.30
0-40	9118.12	N.A.	52.40
0-60	14231.32	N.A.	81.80
0-80	16380.44	N.A.	94.20
0-90	16990.4	N.A.	97.70
10-90	16239.19	N.A.	93.40
20-40	6278.73	N.A.	36.10
20-50	9468.12	N.A.	54.40
40-70	6254.95	N.A.	36.00
60-80	2149.12	N.A.	12.40
70-80	1007.37	N.A.	5.80
80-90	609.96	N.A.	3.50
90-110	347.42	N.A.	2.00
90-120	374.05	N.A.	2.20
90-130	385.55	N.A.	2.20
90-150	394.76	N.A.	2.30
90-180	399.25	N.A.	2.30
110-180	51.83	N.A.	0.30
0-180	17389.64	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	751.20
10-20	2088.19
20-30	2956.13
30-40	3322.59
40-50	3189.39
50-60	1923.81
60-70	1141.75
70-80	1007.37
80-90	609.96
90-100	263.68
100-110	83.74
110-120	26.63
120-130	11.51
130-140	5.84
140-150	3.37
150-160	2.21
160-170	1.63
170-180	0.64

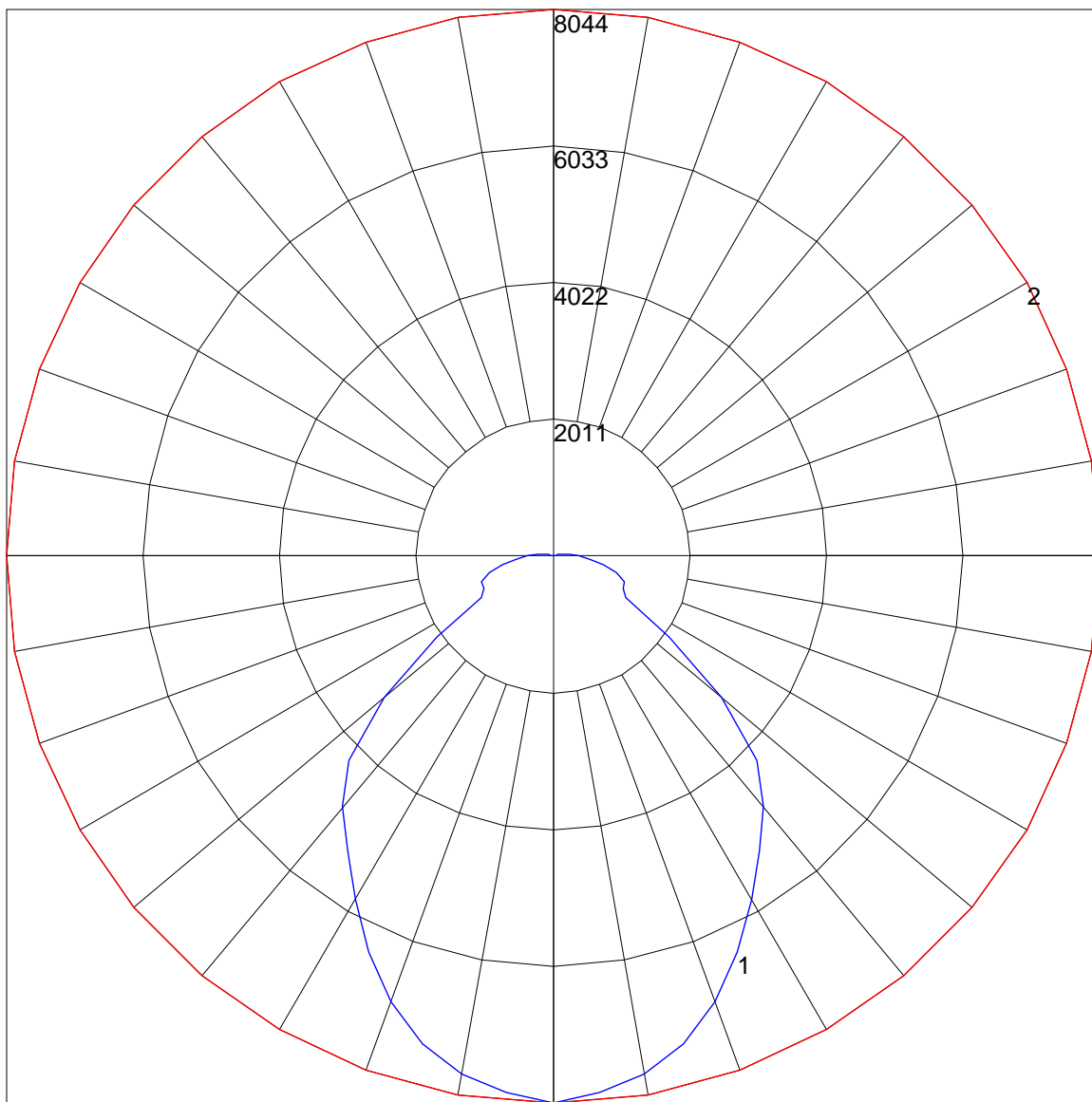
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	118	118	118	118	115	115	115	115	110	110	110	105	105	105	100	100	100	98
1	109	104	100	96	106	101	98	94	97	94	91	92	90	88	89	87	85	82
2	100	92	85	80	97	90	84	79	86	81	77	82	78	75	79	76	73	71
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	71	67	63	61
4	85	74	65	59	82	72	64	59	69	63	58	67	61	57	64	60	56	53
5	78	66	58	52	76	65	57	51	63	56	51	61	55	50	59	53	49	47
6	73	60	52	46	71	59	51	46	57	50	45	55	49	45	54	48	44	42
7	68	55	47	41	66	54	46	41	53	46	40	51	45	40	49	44	40	38
8	63	51	43	37	62	50	42	37	48	41	37	47	41	36	46	40	36	34
9	59	47	39	34	58	46	39	34	45	38	33	44	37	33	42	37	33	31
10	56	43	36	31	55	43	36	31	42	35	30	41	34	30	40	34	30	28

POLAR GRAPH



Maximum Candela = 8043.657 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0)